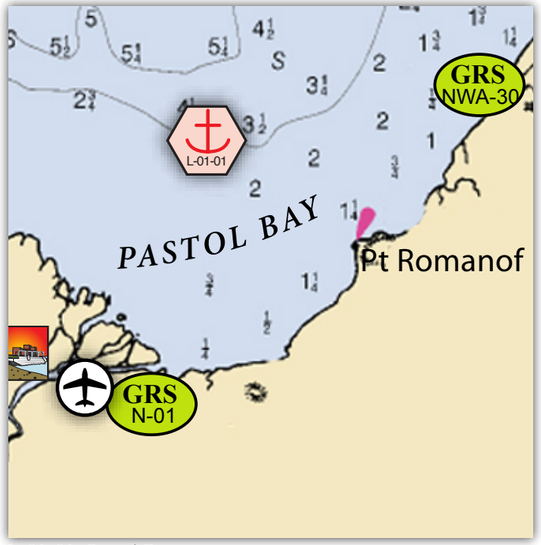
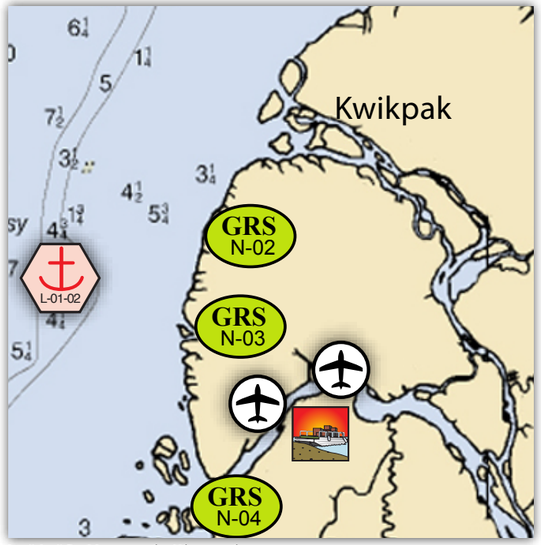
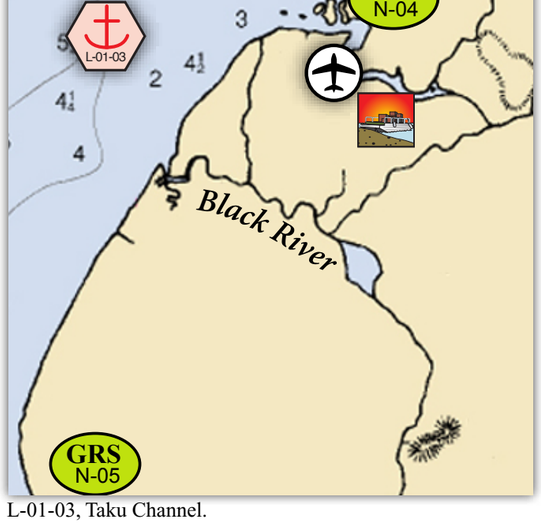


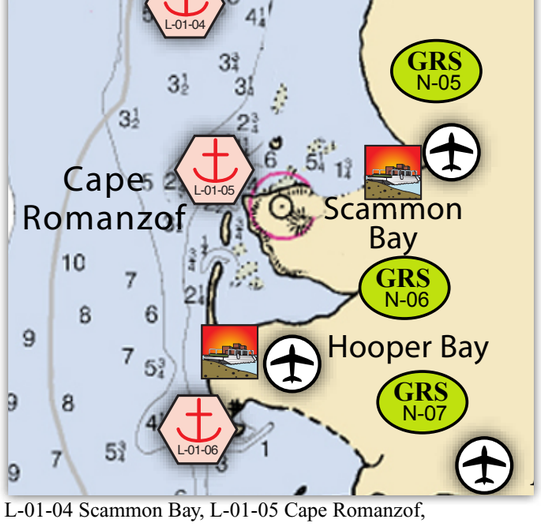
L-01-01, Pastol Bay.



L-01-02, Kawanak Channel.



L-01-03, Taku Channel.

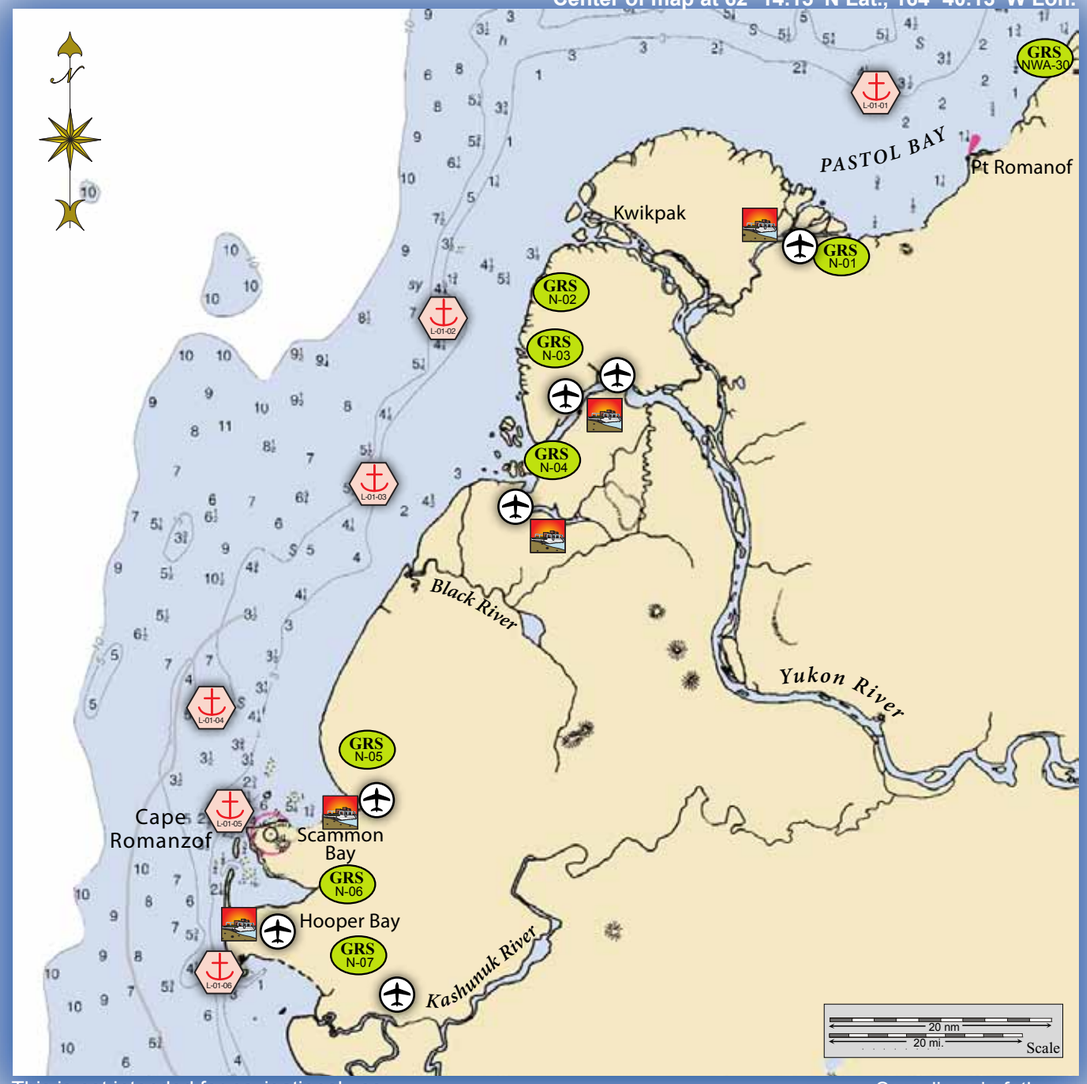


L-01-04 Scammon Bay, L-01-05 Cape Romanzof, and L-01-06 Hooper Bay.

Stakeholders for PPOR Zone 01 of the Western Alaska Subarea							
Landowner (year 2012)	*Contact*	*Landowner (year 2012)*	*Contact*	*Landowner (year 2012)*	*Contact*	*Landowner (year 2012)*	*Contact*
Alakanuk Native Corporation	President	City of Emmonak	Mayor	Village of Kotlik	President	City of Scammon Bay	Mayor
Village of Alakanuk	President	Emmonak Corporation	President	City of Kotlik	Mayor	Sea Lion Corporation	President
City Alakanuk	Mayor	Swan Lake Corporation	President	Kotlik Yupik Corporation	President	Alaska Department of Natural Resources	State Historic Preservation Officer
Askinuk Corporation	President	City of Nunam Iqua	Mayor	City of Hooper Bay	Mayor	Native Allotments	Dept of the Interior-Regional Environmental Officer
Calista Corporation	President / CEO	Native Village of Nunam Iqua	President	Native Village of Hooper Bay	Chief	Yukon Delta National Wildlife Refuge	Dept of the Interior-Regional Environmental Officer
Emmonak Village	President	Calista Corporation	President	Native Village of Scammon Bay	President	Bureau of Land Management	Dept of the Interior-Regional Environmental Officer

Potential Places of Refuge *for Western Alaska Subarea*

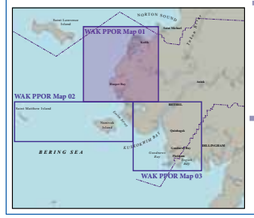
Center of map at 62° 14.15' N Lat., 164° 40.13' W Lon.



This is not intended for navigational use.

Soundings in fathoms

Western Alaska SUBAREA Map Locator



Map Legend

- Anchorage
- Mooring
- Dock/pier
- Crane
- Airport
- Consult ACS Tech Manual
- Private Cabins
- Public Use Cabins
- Boat Harbor
- Barge Landing

Western Alaska PPOR Map 01

USGS 1:1,534,076 Quadrangle Map Reference - Bering Sea Eastern Part 16606_1

NUKA Research & Planning Group, LLC.

Site Information for Western Alaska PPOR Map 01

Physical and Operational Characteristics for PPOR Map Northern Zone for Western Alaska Subarea						
	Pastol Bay	**Kawanak Channel**	**Taku Channel**	**Scammon Bay**	**Cape Romanzof**	**Hooper Bay**
ID Number	**L-01-01**	**L-01-02**	**L-01-03**	**L-01-04**	**L-01-05**	**L-01-06**
Location *(In the general area)*	63°21.97'N 163°14.91'W	62°59.46'N 165°10.70'W	62°29.31'N 165°31.56'W	62°02.18'N 166°13.62'W	61°50.02'N 166°05.62'W	61°23.66'N 166°16.48'W
Maximum Vessel Size	Light Draft Vessels - up to 450 ft. in length, up to 20 ft. draft					
Type of Berthing	Anchorage					
Contact	N/A			None		
Navigational Approach	Approach from the N, NW, W	Approach from the SW, W, NW, N, NE	Approach from the N, NW, W, SW	Approach from the SW through N	Approach from the SW through N	Approach from the SE through N
Minimum Water Depths *(MLLW)*	22 ft.	30 ft.	20 ft.	28 ft.	40 ft. at anchorage, 28 ft. on approach	36 ft.
Maximum Vessel Draft	20 ft.	25 ft.	15 ft.	23 ft.	28 ft.	31 ft.
Swing Room or Dock Face *(w/ dolphins)*	1.88 nm to shoal	1.4 nm to shoal	0.5 nm to shoal	.95 nm to shoal	1.8 nm to shoal	3.4 nm to shoal
Bottom Type	Mud	Hard		Sand	Mud	Mud
Nearest Alternative Dock/Piers	89 nm to Nome	91 nm to Nome	120 nm to Nome	150 nm to Nome	170 nm to Nome	187 nm to Nome
Nearest Alternative Anchorage	65 nm to L-01-02	65 nm to L-01-01	33 nm to L-01-04	20 nm to L-01-05	17 nm to L-01-06	17 nm to L-01-05
Prevailing Winds	The prevailing winds in summer are NE, E, and SE. The strong blows are from the same directions.	The prevailing winds in summer are NE, E, and SE. The strong blows are from the same directions.			Wind effects are important at this location. Continued strong S winds will cause the current to set N continuously for days at a time, and a similar S current results from N winds. The greatest velocities during nearly a month of hourly surface observations were 2.2 knots N and 2 knots S; in each case the current was setting approximately with a wind of about 40 knots.	The prevailing winds in summer are NE, E, and SE. The strong blows are from the same directions.
Currents	Most reports indicate that during the open season there is a general drift N along the Bering coast and thence through the Bering Strait into the Arctic Ocean.					Most reports indicate that during the open season there is a general drift N along the Bering coast and thence through the Bering Strait into the Arctic Ocean.
Tides (winds may effect water depth more significantly than tidal influence)	Mean High 0.0 ft. (Higher 4.0) Mean Low 0.0(Lower -3.0)	Mean High 1.5 ft. (Higher 2.3) Mean Low 0.0(Lower -3.0)	Mean High 2.0 ft. (Higher 2.6) Mean Low 0.0(Lower -0.0)	Mean High 3.6 ft. (Higher 4.3) Mean Low 0.0(Lower -3.0)	Mean High 5.9 ft. (Higher 6.8) Mean Low 0.7(Lower -3.0)	Mean High 3.6 ft. (Higher 4.3) Mean Low 0.0(Lower -3.0)
Sea Conditions	Exposed anchorage offering little protection. Seas will be less with storms from the S, SW, and E.	Exposed anchorage offering little protection. Seas will be less with winds from the easterly direction.			Seas will be less with winds from the S and SE.	Exposed anchorage offering little protection. Seas will be less with winds from the E.
Shelter from Severe Storms	Sheltered from S, E storms / Exposed to N, NW, W	Sheltered from S, E storms / Exposed to SW, W, NW, N, NE	Sheltered from S, E storms / Exposed to N, NW, W	Sheltered from E / Exposed to swells S, SW, W, N, NW	Sheltered from E / Exposure to S, SW, W, NW, N	Sheltered from E / Exposure to S, SW, W, NW, N
Fog	Fog is common during the navigation season. July and August are usually the worst months.					
Ice	Ice form in late October and is present until mid to late June.					

Site ID Number & Vessel Size Classification
DII = Deep Draft Vessels lengths up to 1000 feet, 40-60 feet of draft, greater than 10,000 GT
DI = Deep Draft Vessels lengths up to 1000 feet, 20-40 feet of draft, greater than 10,000 GT
L= Light Draft Vessel up to 450 feet in length, draft up to 20 feet
S = A shallow draft vessel less than 300 Gross Tons, has a draft less than 15 ft., LOA less than 200 ft

Site Considerations for PPOR Zone 01 of the Western Alaska Subarea						
	Pastol Bay	**Kawanak Channel**	**Taku Channel**	**Scammon Bay**	**Cape Romanzof**	**Hooper Bay**
ID Number	**L-01-01**	**L-01-02**	**L-01-03**	**L-01-04**	**L-01-05**	**L-01-06**
Human Health & Safety						
Community-distance to (nm)	Kotlik 12 nm / pop. 577	Emmonak - 25 nm (up river) / pop. 796	Nunam Iqua - 20 nm (some up river) / pop. 190	Scammon Bay - 25 nm / pop. 498	Hooper Bay - 20 nm / pop. 1,137	Hooper Bay - 14 nm / pop. 1,137
Health Care Facilities	Kotilk Clinic: 907-899-4511	Pearl E. Johson Sub-Regional Clinic: 907-949-3500	Nunam Iqua Clinic: 907-498-4228	Scammon Bay Clinic: 907-558-5511	Hooper Bay Sub Regional Clinic: 907-758-4519	
Natural Resources Considerations						
Fish & Wildlife	Waterfowl concentrations, shorebird concentrations, beluga whale concentrations, anadromous fish populations	Waterfowl concentration, shorebird concentration, anadromous fish		Shorebird concentration, waterfowl concentration, seabirds nesting, anadromous fish populations, seals	Shorebird concentration, waterfowl concentration, seabird nesting, seals	Shorebird concentration, waterfowl, seabird nesting, anadromous fish, seals, beluga whales
Threatened & Endangered Species	Steller's eider (threatened),spectacled eider (threatened), polar bear (threatened)					
Sensitive Areas	Spectacled eider & polar bear critical habitat					
Other Stakeholder Considerations						
Fisheries	Salmon					
Historic Properties	Historic properties are present throughout the area.					
Subsistence	High level of subsistance activity.					
Tourism/Recreation	None					
Waterfront Public Facilities/Parks	Yukon Delta National Wildlife Refuge					
Waterfront Private Facilities	None					
Response and Salvage Resource Consideration						
Ability to Boom Vessel	No					
Geographic Response Strategies	WA-N-01	WA-N-02	WA-N-04	WA-N-05	WA-N-06	WA-N-07
Closest Alternative Place of Refuge for same sized vessel	65 nm to L-01-02	65 nm to L-01-01	20 nm to L-01-05	17 nm to L-01-05	17 nm to L-01-05	20 nm to L-01-05

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the North Slope Subarea Contingency Plan: http://dec.alaska.gov/spar/perp/plans/scp_wak.htm